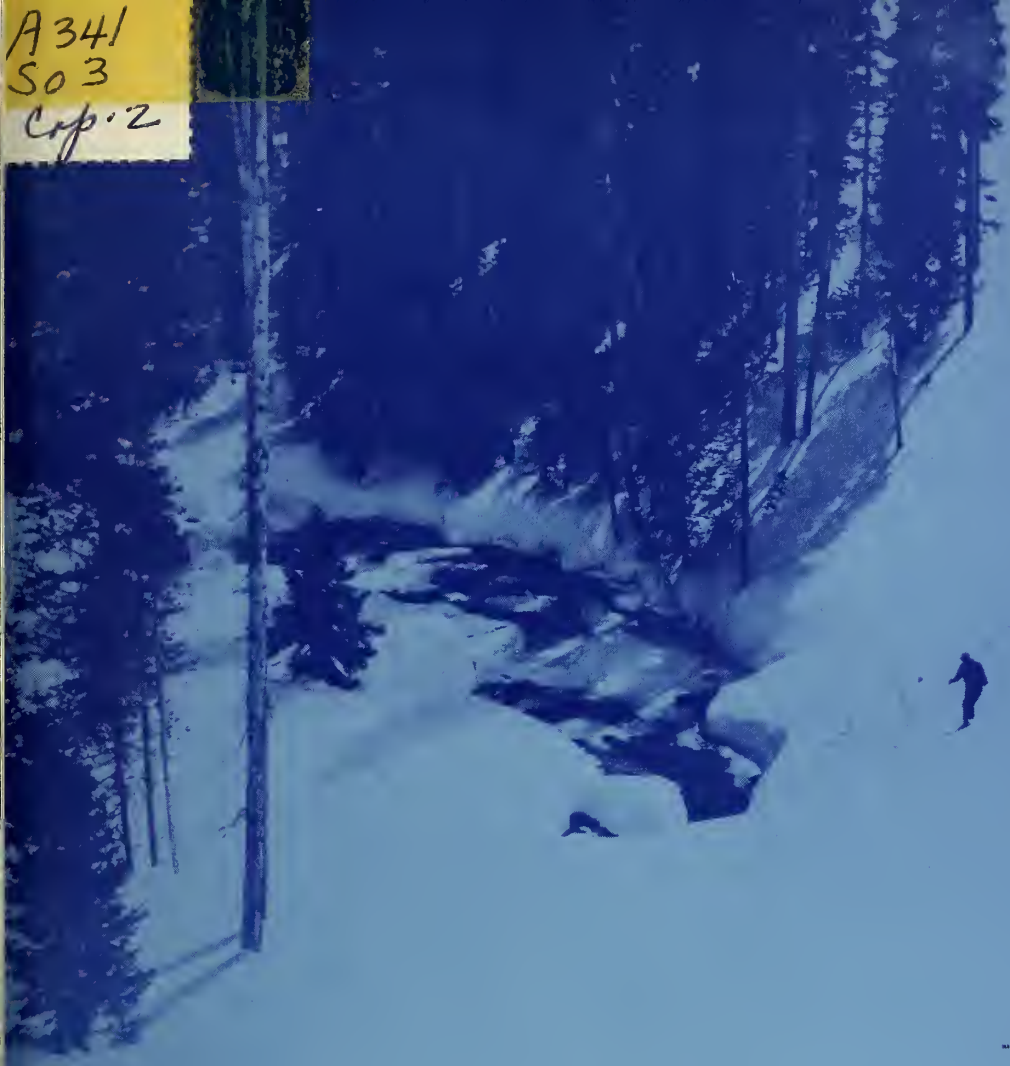
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CURRENT SERIAL RECORDS

WATER SUPPLY OUTLOOK
and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS
for
WYOMING

UNITED STATES DEPARTMENT of AGRICULTURE···SOIL CONSERVATION SERVICE,
and
STATE ENGINEER of WYOMING

Data included in this report were obtained by the agencies named above in cooperation with the Bureau of Reclamation, U.S. Forest Service, National Park Service, and other Federal, State and private organizations.

AS OF
MAR. 1, 1963

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE

To Recipients of Water Supply Outlook Reports:

The climate of the cultivated and populated areas of the West is characterized by relatively dry summer months. Such precipitation as occurs falls mostly in the winter and early spring months when it is of little immediate benefit to growing crops. Most of this precipitation falls as mountain snow which stays on the ground for months, melting later to sustain streamflow during the period of greatest demand during late spring and summer. Thus, nature provides in mountain snow an imposing water storage facility.

The amount of water stored in mountain snow varies from place to place as well as from year to year and accordingly, so does the runoff of the streams. The best seasonal management of variable western water supplies results from advance estimates of the streamflow.

A snow survey consists of a series of about ten samples taken with specially designed snow sampling equipment along a permanently marked line, up to 1000 feet in length, called a snow course. The use of snow sampling equipment provides snow depth and water equivalent values for each sampling point. The average of these values is reported as the snow survey measurement for a snow course.

Snow surveys are made monthly or semi-monthly beginning in January or February and continue through the snow season until April, May or June. Currently more than 1400 western snow courses are measured each year. These measurements furnish the key data for water supply forecasts.

Streamflow forecasts are obtained by a comparison of total or maximum snow accumulation, as measured by snow water equivalent, to the subsequent spring and summer or snowmelt season runoff over a period of years. The snow water equivalent measured in selected snow courses provides most of the index to the streamflow forecast for the following season. More accurate forecasts are usually obtained when other factors such as soil moisture, base flow and spring precipitation are considered and included in the forecast procedure. Early season forecasts assume average climatic conditions through the snowmelt season.

Listed below are the Federal-State-Private Cooperative Snow Survey and Water Supply Forecast reports available for the West which contain detailed information on snow survey measurements, streamflow forecasts, reservoir storage, soil moisture and other guide data to water management and conservation decisions. Soil Conservation Service Reports may be secured from Water Supply Forecasting Unit, Soil Conservation Service, P.O. Box 4170, Portland 8, Oregon.

PUBLISHED BY SOIL CONSERVATION SERVICE

REPORTS	ISSUED	LOCATION	COOPERATING WITH
RIVER BASINS			
WESTERN UNITED STATES	MONTHLY (FEB.-MAY)	PORTLAND, OREGON	ALL COOPERATORS
STATES			
ALASKA	MONTHLY (MAR.-MAY)	PALMER, ALASKA	ALASKA S.C.D.
ARIZONA	SEMI-MONTHLY (JAN.15 - APR.1)	PHOENIX, ARIZONA	SALT R. VALLEY WATER USERS ASSOC. ARIZ. AGR. EXP. STATION
COLORADO AND NEW MEXICO	MONTHLY (FEB.-MAY)	FORT COLLINS, COLORADO	COLO. STATE UNIVERSITY COLO. STATE ENGINEER N. MEX. STATE ENGINEER
IDAHO	MONTHLY (JAN.-JUNE)	BOISE, IDAHO	IDAHO STATE RECLAMATION ENGINEER
MONTANA	MONTHLY (JAN.-JUNE)	BOZEMAN, MONTANA	MONT. AGR. EXP. STATION
NEVADA	MONTHLY (JAN.-MAY)	RENO, NEVADA	NEVADA DEPT. OF CONSERVATION AND NATURAL RESOURCES - DIVISION OF WATER RESOURCES
OREGON	MONTHLY (JAN.-JUNE)	PORTLAND, OREGON	OREG. STATE UNIVERSITY OREGON STATE ENGINEER
UTAH	MONTHLY (JAN.-JUNE)	SALT LAKE CITY, UTAH	UTAH STATE ENGINEER
WASHINGTON	MONTHLY (FEB.-JUNE)	SPOKANE, WASHINGTON	WN. STATE DEPT. OF CONSERVATION
WYOMING	MONTHLY (FEB.-JUNE)	CASPER, WYOMING	WYOMING STATE ENGINEER

PUBLISHED BY OTHER AGENCIES

REPORTS	ISSUED	AGENCY
BRITISH COLUMBIA	MONTHLY (FEB.-JUNE)	WATER RIGHTS BR., DEPT. OF LANDS, FORESTS AND NATURAL RESOURCES, PARLIAMENT BLDG., VICTORIA, B.C., CANADA
CALIFORNIA	MONTHLY (FEB.-MAY)	CALIF. DEPT. OF WATER RESOURCES, P.O. BOX 388, SACRAMENTO, CALIF.

WYOMING SNOW SURVEY COURSES AND WATER SUPPLY FORECASTS

U. S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE

YELLOWSTONE
CLARKS FORK
SHELL
TONGUE
MADISON
SHOSHONE
GREYBULL
NOWOOD
BIGHORN
POWDER
CHEYENNE
WIND
OWL
SNAKE-ABOVE JACKSON LAKE
SNAKE-JACKSON LAKE TO PALISADES
SALT
BEAR
POPO AGIE
SWEETWATER
NORTH PLATTE
LITTLE SNAKE
CROW CREEK
LARAMIE
GREEN
BUFFALO BILL RESERVOIR
YELLOWSTONE LAKE
JACKSON L.
BOYSON RES.
PILOT BUTTE RES.
OCEAN L.
EDEN VALLEY RES.
SEMINOE RESERVOIR
ALCOVA RES.
PATHFINDER RES.
BATES CR. RES.
GUERNSEY RES.
WHEATLAND RES.
HAWK SPR. RES.
LAKE HATTIE RES.
KEYHOLE RES.
BELLE FOURCHE RES.
BOX BUTTE RES.
COOPER L.
TWIN L.
L. ALICE
L. MINATARE
SWAN L.
BEAVER L.
LODGEPOLE CR.
HORSE CR.
PUMPKIN CR.
BUSH CR.
ELK CR.
RAPID CR.
BOXELDER CR.
SPRING CR.
BATTLE CR.
LIGHTNING CR.
WHITE CR.
SULPHER CR.
CLEARWATER CR.
SHELL CR.
NOWOOD CR.
BIG HORN CR.
TONGUE R.
POWDER R.
BELLE FOURCHE R.
MISSOURI R.
SOUTH FORK CHEYENNE R.
NIOBRARA R.
SNAKE R.
BEAR R.
GREEN R.
BLACKS FORK GREEN R.
SWEETWATER R.
NORTH PLATTE R.
BOW R.
MEDICINE BOW R.
LARAMIE R.
CHEYENNE R.
SHERIDAN
RANCHESTER
LOVELL
POWELL
CODY
BASIN
BUFFALO
GILLETTE
STURGIS
DEADWOOD
LEAD
RAPID CITY
NEWCASTLE
HOT SPRINGS
EDGEMONT
CHADRON
CRAWFORD
ALLIANCE
SCOTTSBLUFF
GERING
BRIDGEPORT
TORRINGTON
WHEATLAND
GLENROCK
CASPER
DOUGLAS
LARAMIE
CHEYENNE
KIMBALL
SIDNEY
NEBRASKA
COLORADO
THERMOPOLIS
RIVERTON
LANDER
FREMONT
PINEDALE
BIG PINEY
AFTON
JACKSON
OUBOIS
EVANSTON
ROCK SPRINGS
GREEN RIVER
KEMMERER
RAWLINS
SARATOGA
WORLAND
TENSLEEP
BASIN
LOVELL
SHERIDAN
MONTANA
IDAHO
UTAH
COLORADO
SOUTH DAKOTA
NEBRASKA

LEGEND

- SNOW SURVEY COURSE
- SOIL MOISTURE STATION (M)
- AERIAL MARKER (A)
- STORAGE PRECIPITATION GAGE (P)
- TOWN & CITIES

1963

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INDEX TO WYOMING SNOW COURSES

DRAINAGE BASIN AND COURSE NAME	WYOMING NUMBER	ELEV.	LOCATION SEC. LAT.	TWP.	RANGE LONG.	RECORD BEGAN	MEAS. DATES a	MEAS. BY b
MISSOURI RIVER DRAINAGE								
MADISON RIVER								
Norris Basin	10E2	7500	44 44'		110 42'	1936	2,3,4,5	2
21 Mile m	11E6	7150	1	11S	5E	1934	1,2,3,4,5	1
West Yellowstone m	11E7	6700	34	13S	5E	1934	1,2,3,4,5	1
YELLOWSTONE								
Canyon	10E3	7750	44 44'		110 30'	1938	1,2,3,4,5	1
Cooke City m	10D7MP	7400	33	9S	14E	1937	1,2,3,4,5	2
Crevice Mountain m	10D5	8400	22	9S	9E	1935	3,4	4
East Entrance	9E5MP	7000	44 29'		110 00'	1948	1,2,3,4,5	2
Lake Camp #1, #2	10E4M	7850	44 34'		110 24'	1937	1,2,3,4,5	1
Lupine Creek	10E1	7300	44 54'		110 37'	1938	1,2,3,4,5	2
Thumb Olvide	10E7	7900	44 22'		110 35'	1946	2,3,4	5
Sylvan Pass	10E5	7100	44 28'		110 02'	1936	1,2,3,4,5	2
CLARK'S FORK								
Lodgepole	9E1	8200	32	56N	106W	1940	2,3,4,5	1,4
WIND RIVER								
Big Warm	9F12	8800	36	42N	109W	1955	2,3,4,5	1
Burroughs Creek	9F4	8800	15	43N	107W	1948	2,3,4,5	1
Dinwoodie	9F10	10000	8	3N	6W	1948	2,3,4,5	1,3
Dinwoodie Glaciers	9F17A	10500	43 16'		109 38'	1959	2,3,4	1
Dry Creek	9F9	9500	10	3N	6W	1948	2,3,4,5	1,3
DuNoir	9F6	8750	27	42N	108W	1940	2,3,4,5	1
Geyser Creek	9F7	8500	12	41N	108W	1948	2,3,4,5	1
Little Warm	9F8	9500	24	41N	108W	1948	2,3,4,5	1
Sheridan R.S. #2	9F14	7500	3	42N	109W	1955	2,3,4,5	1
T-Cross Ranch	9F3	8000	1	43N	107W	1940	2,3,4,5	1
Togwotee Pass	10F9MP	9600	29	44N	110W	1936	2,3,4,5	5
POPO AGIE RIVER								
Blue Ridge	8G2	9500	23	31N	101W	1939	2,3,4,5	1
Bruce's Camp	8G5	6500	24	32N	101W	1955	2,3,4	1
Hobbs Park	9G3	10000	22	2S	3W	1948	2,3,4,5	1,3
Mosquito Park R.S.	9G4	9500	23	2S	3W	1940	2,3,4,5	1,
Sawmill Glade	8G1	8500	3	31N	101W	1939	2,3,4,5	1
South Pass	8G3MP	9000	13	30N	101W	1939	2,3,4,5	1
St. Lawrence R.S.	9F11	9000	26	1N	4W	1940	2,3,4,5	1,3
Trout Creek	9G2	8400	5	2S	2W	1948	2,3,4,5	1,3
Twenty Lakes	9G7A	10500	22	1S	5W	1959	2,3,4	1
OWL CREEK								
Owl Creek	8F1	8700	36	43N	101W	1948	2,3,4,5	1
GREYBULL RIVER								
Frontier Needle	9E6	10000	28	47N	104W	1961	2,3,4	1
Kirwin 9	9F19A	11000	13	45N	104W	1960	2,3,4	1
Wood River #2	9F15	8000	28	46N	103W	1956	2,3,4,5	1
Timber Creek #2	9E3	8800	25	47N	103W	1955	2,3,4,5	1
SHOSHONE RIVER								
Carter Mountain	9E4M	7800	15	50N	103W	1957	1,2,3,4	1
East Entrance	9E5MP	7000	44 29'		110 00'	1948	1,2,3,4,5	
Sylvan Pass	10E5	7100	44 28'		110 02'	1936	1,2,3,4,5	2
Yount's Peak	9F18A	8500	43 56'		109 49'	1960	2,3,4	1
NOWOOD CREEK								
Bear Trap	7F1A	8000	10	45N	85W	1960	2,3,4,5	1
Canyon Creek	7F2	7400	16	43N	86W	1960	2,3,4,5	1
Cold Springs Camp	7E25	87000	1	50N	88W	1956	2,3,4,5	1
County Line	7E6	8200	1	48N	86W	1963	2,3,4,5	1
Medicine Lodge Lakes	7E24M	9500	7	51N	87W	1956	2,3,4,5	1
Munkres Pass	7E8	9700	11	48N	85W	1950	2,3,4,5	1
Onion Gulch	7E27M	8100	31	48N	85W	1956	2,3,4,5	1
Tyrell R.S.	7E35	8300	30	49N	86W	1956	2,3,4,5	1
West Tensleep Lake	7E26A	9075	33	50N	86W	1956	2,3,4,5	1
SHELL CREEK								
Bald Mountain	7E21M	9600	33	56N	91W	1956	2,3,4,5	1,6
Beaver-Tongue Divide	7E20	9200	12	55N	91W	1956	2,3,4,5	1,6
Bone Spring Olvide	7E18A	9200	32	55N	89W	1956	2,3,4,5	1,6
Granite Pass	7E17P	8950	19	54N	88W	1956	2,3,4,5	1
Ranger Creek	7E4	8800	32	53N	88W	1935	2,3,4,5	1
Shell Creek	7E23A	9600	12	52N	88W	1956	2,3,4,5	1
PORCUPINE CREEK								
Five Springs Falls	7E31	7500	19	56N	92W	1956	2,3,4,5	1
Medicine Wheel	7E30	9000	24	56N	92W	1956	2,3,4,5	1,6
TONGUE RIVER								
Beaver-Tongue Olvide	7E20	9200	12	55N	91W	1956	2,3,4,5	1,6
Big Goose #2	7E32M	7700	4	53N	86W	1955	2,3,4,5	1,6
Bone Spring Olvide	7E18A	9200	32	55N	89W	1956	2,3,4,5	1,6
Burgess R.S. #2	7E33P	7900	36	56N	89W	1955	2,3,4,5	1,6
Dome Lake #2	7E34A	8800	11	53N	87W	1950	2,3,4,5	1,6
Geneva Pass	7E37A	10600	30	52N	86W	1961	2,3,4,5	1
Gloom Creek	7E14A	9300	32	55N	87W	1956	2,3,4,5	1,6
Granite Pass	7E17P	8950	19	54N	88W	1956	2,3,4,5	1,6
Sibley Lake	7E11	8000	10	55N	87W	1956	2,3,4,5	1,6
Steamboat Point	7E10	7500	32	56N	87W	1956	2,3,4,5	1,6
Sucker Creek	7E12A	9000	19	55N	87W	1956	2,3,4,5	1,6
Wood Rock G.S.	7E13	8500	3	54N	88W	1956	2,3,4,5	1,6

USDA SCS-LINCOLN, NEBR 1962

DRAINAGE BASIN AND COURSE NAME	WYOMING NUMBER	ELEV.	LOCATION SEC. LAT.	TWP.	RANGE LONG.	RECORD BEGAN	MEAS. DATES a	MEAS. BY b
MISSOURI RIVER DRAINAGE								
POWDER RIVER								
Bear Trap	7F1A	8000	10	45N	85W	1960	2,3,4,5	1
Canyon Creek	7F2	7400	16	43N	86W	1960	2,3,4,5	1
Clouds Peak	7E36A	10000	15	51N	85W	1960	2,3,4	1
County Line	7E6MP	8200	1	48N	86W			
Muddy Creek G.S.	6E2	7800	2	48N	84W	1956	2,3,4,5	1
Munkres Pass	7E8	9700	11	48N	85W	1950	2,3,4,5	1
Onion Gulch	7E27M	8100	31	48N	85W	1956	2,3,4,5	1
Soldier Park	7E5	8700	36	51N	85W	1950	2,3,4,5	1,6
Sour Dough	6E1	8500	17	49N	84W	1936	2,3,4,5	1,6
SWEETWATER								
Grannier Meadows	8G4	9000	19	30N	100W	1937	2,3,4,5	1
Larsen Creek	9G6A	9000	12	30N	103W	1949	2,3,4,5	1
South Pass	8G3MP	9000	13	30N	101W	1939	2,3,4,5	1
LARAMIE RIVER								
Brooklyn Lake #2	6H1MP	10200	11	16N	79W	1956	2,3,4,5	1
Cameron Pass c	5J1	10285	2	6N	76W			
Deadman Hill c	5J6	10200	26	10N	75W	1937	3,4,5	
Evans	6H15	9000	4	12N	78W	1960	2,3,4,5	1
Foxpark	6H12P	9200	21	13N	78W	1936	2,3,4,5	4
Hairpin Turn #3	6H2	9500	24	16N	79W	1936	2,3,4,5	1
Libby Lodge #2	6H3	8700	29	16N	78W	1936	2,3,4,5	1
Lost Lake c	5J23	9300	32	8N	75W			
McIntyre c	5J15	9100	35	10N	76W	1949	2,3,4,5	
Pole Mountain #2	5H1	8700	35	15N	72W	1936	2,3,4,5	1
Roach c	6J12A	9800	5	10N	77W	1940	2,3,4,5	1
CROW CREEK								
Pole Mountain #2	5H1	8700	35	15N	72W	1936	2,3,4,5	1
NORTH PLATTE								
Albany	6H11A	9400	18	14N	78W	1949	2,3,4,5	1
Bottle Creek	6H8	8200	24	14N	85W	1936	2,3,4,5	1,6
Boxelder #2	5G1	9000	31	30N	75W	1950	2,3,4,5	1
Cameron Pass	5J1	10285	2	6N	76W	1936	2,3,4,5	1
Casper Mountain	6G1MP	8700	16	32N	79W	1954	1,2,3,4,5	1
Columbine c	6J3	9300	21	5N	82W	1936	2,3,4,5	1
Elk River c	6J4	8700	6	10N	85W	1936	2,3,4,5	1
Foxpark	6H12P	9200	21	13N	78W	1936	2,3,4,5	4
LaBonte	5G2	8450	11	27N	74W	1949	2,3,4,5	1
North Barrett Creek	6H5MA	9400	30	16N	80W	1936	2,3,4,5	1,6
North French Creek	6H4PA	10200	27	16N	80W	1938	2,3,4,5	1,6
Northgate c	6J7	8500	7	11N	79W	1950	2,3,4,5	
Old Battle	6H10P	9800	29	14N	85W	1936	2,3,4,5	1,6
Park View	6J2	9200	24	5N	78W	1936	2,3,4,5	
Rock Creek	6H14A	9800	5	17N	79W	1960	2,3,4	1
Ryan Park	6H6A	8400	34	16N	81W	1936	2,3,4,5	1,6
Webber Spring	6H9M	9000	27	14N	85W	1936	2,3,4,5	1,6
Willow Creek Pass c	6J5	9500	1	4N	78W	1938	2,3,4,5	
CHEYENNE RIVER								
Terry Peak sd	3E2	7000	11	4N	2E	1960	2,3,4	1,4
Upper Spearfish sd	3 E1	6500	21	3N	1E	1944	2,3,4	4
COLORADO RIVER DRAINAGE								
GREEN RIVER above GREEN RIVER								
Big Sandy Opening	9G9P	9220	17	31N	104W	1961	2,3,4,5	1,4
Blind Bull Summit	10G2A	8750	6	34N	115W	1948	2,3,4	1
Dutch Joe R.S.	9G5	8700	32	31N	104W	1936	2,3,4,5	1,4
East Rim Olvide	10F17MP	7950	32	37N	111W	1936	1,2,3,4,5	1,4
Elk Heart Park G.S.	9F23P	9400	16	35N	108W	1961	2,3,4,5	1,4
Gros Ventre	10F19A	8750	36	40N	111W	1948	2,3,4,5	1,4
Kendall R.S. #1	10F15	7900	23	38N	110W	1936	2,3,4,5	1,4
Kendall R.S. #2	10F15	7900	23	38N	110W	1961	2,3,4,5	1,4
Loomis Park #1	10F16	8500	14	37N	111W	1936	2,3,4,5	1,4
Loomis Park #2	10F16	8500	14	37N	111W	1960	2,3,4,5	1,4
Mulligan Park	9G1	8900	28	35N	108W	1936	2,3,4,5	1,4
New Fork Lake	9F21	8325	11	36N	109W	1961	2,3,4,5	1,4
North Horse Creek	10G16	8200	12	34N	114W	1961	2,3,4,5	1,4
Piney LaBarge #1	10G10	8820	19	29N	114W	1937	2,3,4,5	1,4
Piney LaBarge #2	10G1D	8820	19	29N	114W	1959	2,3,4,5	1,4
Pocket Creek	9G11	9360	19	32N	105W	1961	2,3,4,5	1,4
Poison Meadows	10G6A	8500	29	30N	116W	1948	2,3,4,5	1,4
Snyder Basin R.S. #2	10G13MP	8040	15	29N	114W	1956	2,3,4,5	1,4
Soda Lake	10G14	8300	14	33N	115W	1955	2,3,4,5	1,4
Triple Peaks	10G15	8500	33	34N	115W	1956	2,3,4,5	1,4
GREEN RIVER below GREEN RIVER								
Big Park	10G11	8700	7	27N	117W	1951	2,3,4,5	1,4
Black's Fk Junc. u	10J22	8925	33	3N	12E	1961	3,4,5	1
Buck Pasture u	10J23A	9700	14	1N	11E	1963	2,3,4,5	1
East Fk Black's Fk u	10J21	9300	25	2N	12E	1961	3,4,5	1
Elk River c	6J4	8700	6	10N	85W	1936	2,3,4,5	1
Hayden Fork u	10J7	9300	1	1S	9E	1951	4,5	1
Henry's Fork u	10J24A	10200	5	1N	14E	1963	2,3,4,5	1
Hewinta R.S. u	10J4	9500	33	3N	13E	1930	3,4,5	1
Hickerson Park u	9J8	9100	24	2N	17E	1961	3,4,5	1
Hole-in-the-rock u	10J1	9150	13	2N	15E	1931	4	1
Hole-in-the-rock GS u	10J3	8300	32	3N	16E	1954	4	1
Kelly R.S.	10G12	8200	13	26N	118W	1951	2,3,4,5	1,4
Lake Fork Basin u	10J25A	11100	13	1S	11E	1962	2,3,4,5	1
Middle Beaver Creek u	10J2	8550	31	3N	16E	1954	4	1
Old Battle	6H10P	9800	29	14N	85W	1936	2,3,4,5	1,6
Steel Creek Park u	10J20A	9900	8	2N	13E	1962	2,3,4,5	1
Spirit Lake u	9J7	10300	10	1N	17E	1961	3,4,5	1
Trial Lake u	10J8P	9800	5	2S	9E	1931	1,2,3,4,5	1

DRAINAGE BASIN AND COURSE NAME	WYOMING NUMBER	ELEV.	LOCATION SEC. LAT.	TWP.	RANGE LONG.	RECORD BEGAN	MEAS. DATES a	MEAS. BY b
COLUMBIA RIVER DRAINAGE								
SNAKE RIVER BASIN (Above Jackson Lake)								
Arizona	10F1	6850	35	46N	115W	1919	2,3,4	5
Astor Creek	10E8	7700	44 17'		110 37'	1919	2,3,4	5
Base Camp	10F2	6900	20	46N	113W	1947	2,3,4	5
Coulter Creek	10E10	7600	44 09'		110 33'	1919	2,3,4	5
Glade Creek	10E13	7200	44 08'		110 44'	1919	2,3,4	2
Grassy Lake	10E15MP	7265	6	48N	116W	1940	2,3,4,5	5
Huckleberry Divide	10E14	7300	32	48N	115W	1919	2,3,4	5
Lewis Lake Divide	10E9	7900	44 13'		110 40'	1919	2,3,4,5	5
Moran	10F4MP	6800	8,17	45N	114W	1919	2,3,4	5
Moran Bay	10F3	6800	14	45N	116W	1919	2,3,4	5
Snake River Station	10E12MP	6780	44 08'		110 40'	1919	2,3,4	5
Thumb Divide	10E7	7900	44 22'		110 35'	1951	2,3,4	5
JACKSON LAKE TO PALISADES								
Afton R.S.	10G4	6200	30	32N	118W	1936	1,2,3,4,5	4
Blackrock	10F7	8600	4	44N	111W	1936	2,3,4	5
Blind Bull Summit	10G2A	8750	6	34N	115W	1948	2,3,4	1
Bryan Flat	10F14	6250	9	38N	115W	1936	1,2,3,4,5	1
CCC Camp	10G7	7500	9	29N	118W	1936	1,2,3,4,5	1,4
Cottonwood Lake	10G5A	7500	25	31N	118W	1936	2,3,4	1
Deadman Ranch	10G1A	6534	32	35N	116W	1936	2,3,4	1
East Rim Olvide	10F17MP	7950	32	37N	111W	1936	1,2,3,45	1,4
Four Mile Meadows	10F6	7770	35	45N	112W	1936	2,3,4,5	5
Grey's Boundary	10F18	5800	33	37N	118W	1936	1,2,3,4,5	1,4
Gros Ventre	10F19	8750	36	40N	111W	1948	2,3,4,5	1
Grover Park Olvide	10G3	7500	27	33N	118W	1936	1,2,3,4,5	1,4
Loomis Park	10F16	8500	14	37N	111W	1936	2,3,4,5	1,4
Poison Meadows	10G6	8500	29	30N	116W	1949	2,3,4,5	1,4
Teton Pass #2	10F13	8500	24	41N	118W	1936	1,2,3,4,5	1
Togwotee Pass	10F9MP	9600	29	44N	110W	1936	2,3,4,5	5
Turpin Meadows	10F5	6930	14	45N	112W	1936	2,3,4	5
Yellowjacket	10F10	7675	33	42N	112W	1936	2,3,4,5	4
Salt River Summit	10G8MP	7900	32	29N	118W	1948	1,2,3,4,5	1,4
Snow King Mtn. #3	10F20M	7600	4	40N	116W	1959	Semi. Mo.	1
BEAR RIVER								
Big Park	10G11	8700	7	27N	117W	1951	2,3,4,5	1,4
CCC Camp	10G7	7500	9	29N	118W	1936	2,3,4,5	1,4
Goodman Ranch u	10J6	7900	19	3N	10E	1937	4	1
Hayden Fork u	10J7	9300	1	1S	9E	1951	4,5	1
Head of Baar River u	10J5	8600	15	2N	10E	1935	4	1
Kelly R.S.	10G12P	8200	13	26N	118W	1951	2,3,4,5	1,4
Lake Fork Basin u	10J25A	11100	13	1S	11E	1962	2,3,4,5	1
Monte Cristo R.S. u	11H12	8960	3	8N	4E	1930	3,4,5	1
Poison Meadows	10G6	8500	29	30N	116W	1948	2,3,4,5	1,4
Salt River Summit	10G8MP	7900	32	29N	118W	1948	2,3,4,5	1,4
Trial Lake u	10J8P	9800	5	2S	9E	1931	1,2,3,4,5	1

a. Numerals 1,2,3,4 and 5 refer to January 1, February 1, March 1, April 1, and May 1.

b. Numerals refer to Agency that secures the snow survey, as follows:

1. Soil Conservation Service.
2. U. S. National Park Service.
3. U. S. Indian Service.
4. U. S. Forest Service.
5. U. S. Bureau of Reclamation.
6. Wyoming State Engineer.

c. Colorado snow courses.
m. Montana snow courses.
sd. South Dakota snow courses.
u. Utah snow courses.
A. Aerial Snow Depth Gage
M. Soil Moisture Stack
P. Pearson Storage Gage

WATER SUPPLY OUTLOOK
FOR
WYOMING

March 1, 1963

The mountain snow pack is generally improved over the outlook of one month ago, however, there are still some areas with expected snow melt supplies of less than 70 percent of normal.

The mountain soil is extremely dry and will subtract several inches of water from the snow pack. On the other hand, evaporation from the exposed areas of the watershed has been less than normal.

The expected runoff ranges from 65 percent on the Snake & Green River watersheds to 110 percent on the north slopes of the Big Horns.

THE NORTH PLATTE

The anticipated flow from the North Platte watershed is 80 percent of normal at the Wyoming-Colorado state line, 83 percent from the Sierra Madres above Encampment and 80 percent from the west flank of the Snowies. This is a total of 538,000 acre feet of water flowing past Saratoga, which is 81 percent of the 661,000 acre feet average. The Medicine Bow is estimated at 75 percent of normal. North Platte storage plus runoff will total 90 percent of normal water supplies. The Laramie River is expected to discharge 78 percent of normal at Jelm. Wheatland reservoir storage is 52,400 acre feet.

THE GREEN RIVER

Seasonal flow in the Green is ranging from a forecast of 84 percent at Warren Bridge to 67 percent at Fontenelle, Wyoming. North Piney Creek has a streamflow expectancy of 81 percent and New Fork Creek near Boulder will drain 71 percent of average from its watershed. Big & Little Sandy are forecast at 78 percent of normal.

THE SNAKE RIVER

Snow storage above Moran indicates a release of 66 percent of the 1943-57 average inflow into Jackson Lake. Present storage is 581,700 acre feet, which is 25 percent above normal. Down stream, the flow into Palisades reservoir will be close to 68 percent of normal. Snow melt on the Salt River drainage is expected to yield 70 percent of average into Palisades, and the Grey's River, 67 percent.

THE WIND RIVER

March 1 snow surveys in the Wind River Range have also found a snow pack containing less than adequate storage. The forecast of seasonal supplies at Dubois is 89 percent of normal. Estimates are lower at Lander, with anticipated yields of 84 percent from the Little Popo Agie, and 87 percent from the North Popo Agie. Bull Lake Creek is expected to yield 86 percent of average supplies, however, Bull Lake reservoir is standing at 94,400 acre feet. The high elevation snow data indicate a storage that will release 87 percent of average snow melt supplies into Buffalo Bill reservoir, which contains 71 percent of normal contents for this time of year.

THE BIG HORN MOUNTAINS

In the Big Horns, Soil Conservation Service snow surveyors obtained data that is materially above the March 1 average. The April 1 to September 30 snow melt water supply is computed to be 110-115 percent on the north slopes and 85-95 percent flowing from the southern watersheds.

WYOMING STREAM-FLOW FORECASTS MARCH 1, 1963

BASIN AND TRIBUTARY	April 1 - September 30 Seasonal Stream-Flow in Thousands of Acre Feet			
	Forecast Runoff	% 15-Year Average	Measured Runoff 1961	15-Yr. Avg. 1943-57
LITTLE POPO AGIE				
Lander (near)	36	84%	25	43*
NORTH POPO AGIE				
Milford (near)	71	87%	57	74*
BULL LAKE CREEK				
Lenore (near)	146	86%	134	170*
WIND RIVER				
DuBois (near)	89	89%	60	100*
TENSLEEP CREEK				
Tensleep (near)	88	110%	51	80
MEDICINE LODGE CREEK				
Hyattville (near)	22	113%	13.3	19.4
SHELL CREEK				
Shell (near)	74	115%	47	64
SHOSHONE RIVER				
Buffalo Bill Dam (below) (1)	740	87%	459	851
LARAMIE RIVER				
Jelm (near)	88	78%	98	113
ENCAMPMENT RIVER				
Encampment (near)	130	83%	77	156
NORTH PLATTE RIVER				
Northgate (near)	205	80%	200	255
Saratoga (at)	538	81%	404	661
MEDICINE BOW RIVER				
Hanna (near)	75	76%	46	99

All stream data taken from observed flow records with the following exceptions:

(1) Observed flow corrected for Buffalo Bill storage and Heart Mountain diversion.
(3) Observed flow corrected for Jackson Lake storage.
* Less than 15 years of record.

WYOMING STREAM-FLOW FORECASTS MARCH 1, 1963

BASIN AND TRIBUTARY	April 1 - September 30 Seasonal Stream-Flow in Thousands of Acre Feet			
	Forecast Runoff	% 15-Year Average	Measured Runoff 1961	15-Yr. Avg. 1943-57
GREEN RIVER				
Warren Bridge (at)	292	84%	220	348
Fontenelle (near)	750	67%	399	583*
Green River (at)	805	67%	393	1200
NORTH PINEY CREEK				
Mason (at)	33.3	81%	20	41
NEW FORK RIVER				
Boulder (near)	185	71%	91	261
BIG SANDY CREEK				
Big Sandy (near)	46	78%	29	59
LITTLE SANDY CREEK				
Elkhorn (near)	11.7	78%	8	15
SNAKE RIVER				
Moran (at) (3)	613	66%	669	928
PACIFIC CREEK				
Moran (near)	117	63%	113	185*
SNAKE RIVER				
Palisades (above)	1880	68%	1930	2758*
GREY'S RIVER				
Palisades (above)	268	67%	227	403
SALT RIVER				
Etna (above Palisades)	252	70%	164	360
BEAR RIVER				
Utah-Wyo State Line (near)	70	57%	66	123
Randolph (near)	10	9%	5	115*
SMITH'S FORK				
Border (near)	92	77%	49	119
MADISON RIVER				
West Yellowstone (near)	177	82%	168	216
CLARK'S FORK				
Chance (at)	506	82%	442	617

STATUS OF WYOMING AND SOUTH DAKOTA RESERVOIR STORAGE-March 1, 1963

BASIN and/or STREAM	RESERVOIR	USABLE CAPACITY 1000's AF	USABLE STORAGE- 1000 Acre Feet 1963	1962	1961	15-Yr. Avg. 1943-57
Snake River	Jackson	847.0	581.7	142.5	242.0	465.5
Snake River	Palisades	1202.0	1003.3	605.3		
North Platte	Seminoe	981.1	307.6	142.7	76.4	408.8
North Platte	Pathfinder	1011.0	529.1	191.9	244.8	505.2
North Platte	Alcova**	30.3	-2.4	1.8	5.3	3.2
North Platte	Guernsey	39.8	24.4	22.8	17.8	36.8
North Platte	Glendo	786.3	360.5	320.1	272.4	260.6#
Kansas Basin	Bonny	39.9	39.9	40.5	39.7	
Kansas Basin	Swanson Lake	116.1	127.4	107.1	94.0	
Kansas Basin	Enders	36.0	30.4	39.8	43.6	
Kansas Basin	Harry Strunk	33.9	34.0	37.8	34.7	
Kansas Basin	Harlan County	252.9	367.6	334.2	339.7	
Kansas Basin	Cedar Bluff	176.8	174.1	185.8	185.1	
Laramie River	Wheatland	95.0	52.4	61.8	12.9	23.0
Belle Fourche	Belle Fourche	185.2	160.3	34.6	29.3	101.4
Belle Fourche	Keyhole	190.3	66.7	12.1	2.8	5.7#
Shoshone River	Buffalo Bill***	380.3	168.2	156.1	129.6	235.4
Wind River	Boysen	560.0	340.2	203.3	98.1	448.6*
Wind River	Pilot Butte	31.6	18.5	12.7	13.5	13.3
Wind River	Bull Lake	152.0	94.4	85.6	57.9	63.2
Wind River	Sunshine	53.0	48.5			
Cheyenne River	Angostura	92.0	83.2	10.9	N.R.	41.4
Cheyenne River	Deerfield	15.1	7.3	3.8	N.R.	12.9
Grand River	Shadehill	84.0	15.8	26.9	50.2	72.4
Green River	Big Sandy	38.3	10.1	7.0	4.3	10.3#
Owl Creek	Anchor	17.2	0.0	0.1	0.0	

* Average is for less than 15 years of record in the 1943-57 period.

** Alcova. downstream from Seminoe and Pathfinder includes 160,170 acre feet of storage that is unavailable to the Kendrick Project. In the future, storage in this reservoir will be held at usable capacity (190,500 acre feet).

*** Usable capacity 439,800, however, 59,500 acre feet are inactive except in emergency.

e Estimated average.

\# All past data.

WYOMING SNOW SURVEYS - ABOUT MARCH 1, 1963

Drainage Basin and Snow Course	Number or State	Elev.	SNOW COVER MEASUREMENTS 1963 Date of Survey	Snow Depth (In.)	Water Content (In.)	PAST RECORD Water Content (In.) 1962	1961	1943-57 Avg.
MADISON RIVER - YELLOWSTONE PARK								
Norris Basin ÷	10E2	7500	2/27	33	8.1	9.9	7.5	9.3e
21 Mile[m]	11E6	7150	2/28	32	7.6	19.0	12.3	16.0
West Yellowstone[m]	11E7	6700	2/28	23	4.9	15.0	7.5	13.3
UPPER YELLOWSTONE - YELLOWSTONE PARK								
Canyon	10E3	7750	2/28	42	10.2	16.3	10.1	13.8e
Northeast Entrance[m]	10D7MP	7400	2/28	30	7.5	8.1	5.5	7.5
Crevice Mountain[m]	10D5	8400	3/1	34	7.1	N.R.	4.8	8.2
East Entrance ÷	9E5MP	7000	2/28	36	8.0	8.9	7.5	10.8e
Lake Camp #1	10E4	7850	2/27	26	4.9	12.0	6.8	10.1
Lake Camp #2	10E4	7850	2/27	23	4.4	11.2	6.1	8.9e
Lupine Creek	10E1	7300	2/27	25	5.4	12.4	7.5	9.4e
Norris Basin ÷	10E2	7500	2/27	33	8.1	9.9	7.5	9.3e
Sylvan Pass ÷	10E5	7100	2/28	38	8.6	10.5	9.5	13.4e
Thumb Divide ÷	10E7	7900	2/27	48	12.8	24.5	13.5	21.4e
LOWER YELLOWSTONE - CLARK'S FORK								
Lodgepole	9E1	8200	3/1	37	8.7	9.7	5.8	10.6e
LOWER YELLOWSTONE - WIND RIVER								
Big Warm	9F12	8800	2/24	29	8.5	10.3	4.7	9.9e
Burroughs Creek	9F4	8800	2/26	40	12.0	13.7	7.0	14.2e
Dinwoodie	9F10	10000	2/27	26	7.0	13.0	6.1	10.1e
Dinwoodie Glaciers	9F17A	10500	3/4	26	7.0A		6.0A	
Dry Creek	9F9	9500	2/27	16	3.8	7.1	3.1	5.2e
DuNoir	9F6	8750	2/24	27	7.7	10.5	3.0	7.8
Geyser Creek	9F7	8500	2/25	25	7.1	8.6	3.2	7.5e
Little Warm	9F8	9500	2/25	44	12.3	18.2	9.5	14.3e
Sheridan R.S. #2	9F14	7500	2/24	25	6.7	8.5	2.2	7.7e
T-Cross Ranch	9F3	8000	2/26	22	6.5	6.9	3.3	6.8
Togwotee Pass ÷	10F9MP	9600	3/1	77	22.0	28.3	19.0	26.0e
Twenty Lakes ÷	9G7A	10000	3/4	26	7.0A		6.0A	
LOWER YELLOWSTONE - OWL CREEK								
Kirwin ÷	9F19A	10000	2/26	17	4.0A	10.0A	5.5A	
Owl Creek	8F1	8700	2/25	19	4.1	5.1	5.7	5.5e

WYOMING SNOW SURVEYS - ABOUT MARCH 1, 1963

Drainage Basin and Snow Course	Number or State	Elev.	SNOW COVER MEASUREMENTS 1963 Date OF Survey	1963 Snow Depth (In.)	1963 Water Content (In.)	PAST RECORD Water Content (In.) 1962	1961	1943-57 Avg.
LOWER YELLOWSTONE - POPO AGIE RIVER								
Blue Ridge	8G2	9500	2/19	31	9.1	11.4	4.2	11.0e
Bruce's Camp	8G5	6500	2/20	6	3.7	2.3	2.8	3.5e
Hobbs Park	9G3	10000	3/1	33	9.0	17.5	10.6	16.6e
Mosquito Park R.S.	9G4	9500	3/1	19	4.2	9.1	4.3	7.3e
Sawmill Glade	8G1	8500	2/20	21	5.5	8.6	4.3	6.9
South Pass ÷	8G3MP	9000	2/19	36	11.4	14.1	5.7	13.2
St. Lawrence R.S.	9F11	9000	2/28	14	3.5	8.9	3.3	6.0e
Trout Creek	9G2	8400	3/1	12	2.6	5.1	4.4	6.7e
Twenty Lakes ÷	9G7A	10000	3/4	26	7.0A		N.R.	
LOWER YELLOWSTONE - GREYBULL RIVER								
Frontier Needle	9E6	10000	2/26	16	4.0A	N.R.	5.5A	
Kirwin ÷	9F19A	11000	2/26	17	4.0A	10.0A	5.5A	
Timber Creek #2	9E3	8800	2/26	9	2.5	4.3	2.2	2.8a
Wood River #2	9F15	8000	2/27	17	4.2	6.4	4.4	3.7a
LOWER YELLOWSTONE - SHOSHONE RIVER								
Carter Mountain	9E4M	7800	2/28	13	3.3	5.0	3.2	3.8a
East Entrance ÷	9E5MP	7000	2/28	36	8.0	8.9	7.5	10.8e
Sylvan Pass ÷	10E5	9200	2/28	38	8.6	10.5	9.5	13.4e
Togwotee Pass ÷	10F9MP	9600	3/1	77	22.0	28.3	19.0	26.0e
Younts Peak	9F18A	8500	N.R.			N.R.	N.R.	
LOWER YELLOWSTONE - NOWOOD CREEK								
Bear Trap ÷	7F1A	8000	3/3	38	8.8e	11.3	6.7	
Canyon Creek ÷	7F2	7400	2/25	40	8.9	10.8	9.3	
Cold Springs Camp	7E25	8700	3/2	28	6.9	8.0	4.8	6.3a
Medicine Lodge Lakes	7E24M	9500	3/2	41	9.8	13.2	7.6	9.7a
Munkres Pass ÷	7E8	9700	3/2	29	6.6	13.0	5.5	6.7e
Onion Gulch ÷	7E27M	8100	3/3	36	8.6	12.3	5.2	8.2a
Tyrell R.S.	7E35	8300	3/3	36	8.5	9.8	5.1	5.5e
West Tensleep Lake	7E26A	9075	3/4	45	11.5A	15.5A	8.0A	10.4a

WYOMING SNOW SURVEYS - ABOUT MARCH 1, 1963

Drainage Basin and Snow Course	Number or State	Elev.	SNOW COVER MEASUREMENTS 1963 Date of Survey	Snow Depth (In.)	Water Content (In.)	PAST RECORD Water Content (IN.) 1962	1961	1943-57 Avg.
LOWER YELLOWSTONE - SHELL CREEK								
Bald Mountain ÷	7E21M	9600	2/26	72	19.9	22.9	14.8	16.9a
Beaver Tongue ÷	7E20	9200	2/25	68	17.2	19.7	13.0	15.6a
Bone Spring Divide ÷	7E18A	9200	3/4	56	14.5A	18.5A	12.0A	13.8a
Granite Pass ÷	7E17P	8950	2/27	50	12.9	17.7	12.0	13.5a
Ranger Creek	7E4	8800	3/1	37	8.6	10.3	4.8	7.0e
Shell Creek	7E23A	9600	3/4	59	15.5A	18.5A	10.0A	12.2a
LOWER YELLOWSTONE - PORCUPINE CREEK								
Five Springs Falls	7E31	7500	2/26	31	9.2	5.2	3.8	5.3a
Medicine Wheel	7E30	9000	2/26	59	16.6	14.1	11.6	13.3a
LOWER YELLOWSTONE - TONGUE RIVER								
Beaver Tongue ÷	7E20	9200	2/25	68	17.2	19.7	13.0	15.6a
Big Goose #2	7E32M	7700	2/28	29	6.2	9.2	6.3	6.5a
Bone Spring Divide ÷	7E18A	9200	3/4	56	14.5A	18.5A	12.0A	13.8a
Burgess R.S. #2	7E33P	7900	2/26	33	7.2	7.1	5.3	6.3a
Dome Lake #2	7E34A	8800	3/4	38	8.5A	10.5A	8.0A	8.1a
Geneva Pass	7E37A	10600	3/4	63	16.5A	18.0A	12.0A	
Gloom Creek	7E14A	9300	3/4	62	16.5A	14.5A	13.0A	11.5a
Granite Pass ÷	7E17	8950	2/27	50	12.9	17.7	12.0	13.5a
North Tongue	7E15	8800	2/26	43	10.8	12.2	8.1	
Sibley Lake	7E11	8000	2/27	49	10.6	11.5	8.2	8.7a
Steamboat Point	7E10	7500	2/27	33	6.9	8.2	5.7	6.3a
Sucker Creek	7E12A	9000	3/4	53	14.0A	13.0A	11.0A	10.5a
Wood Rock G.S.	7E13	8500	2/27	41	9.4	11.5	7.4	8.8a
LOWER YELLOWSTONE - POWDER RIVER								
Bear Trap ÷	7F1A	8000	3/3	38	8.8e	11.3	6.7	
Canyon Creek ÷	7F2	7400	2/25	40	8.9	10.8	9.3	
Cloud's Peak	7E36A	10000	3/4	39	9.0A	13.5A	10.0A	
Muddy Creek G.S.	6E2	7500	3/2	14	3.0	5.1	3.9	4.1a
Munkres Pass ÷	7E8	9700	3/2	29	6.6	13.0	5.5	6.7e
Onion Gulch ÷	7E27M	8100	3/3	36	8.6	12.3	5.2	8.2a
Soldier Park	7E5	8700	3/3	22	4.3	7.1	3.8	4.5e
Sour Dough	6E1	8500	3/2	24	4.9	9.3	6.4	5.8e

WYOMING SNOW SURVEYS - ABOUT MARCH 1, 1963

Drainage Basin and Snow Course	Number or State	Elev.	SNOW COVER MEASUREMENTS 1963 Date of Survey	Snow Depth (In.)	Water Content (In.)	PAST RECORD Water Content (In.) 1962	1961	1943-57 Avg.
NORTH PLATTE - LARAMIE RIVER								
Albany ÷	6H11A	9400	N.R.			N.R.	13.0A	11.9e
Brooklyn Lake #2	6H1MP	10200	2/28	58	14.1	22.5	12.4	18.5e
Cameron Pass[C] ÷	5J1	10300	Estimated		14.6e	N.R.	14.8A	18.0
Chambers Lake[C]	5J2	9000	2/23	27	7.4	10.3	4.1	7.0
Deadman Hill[C]	5J6	10300	N.R.			N.R.	8.1A	12.2
Evans ÷	6H15	9000	2/25	27	6.5	14.9	6.1	
Foxpark ÷	6H12P	9200	3/4	25	6.6	10.7	3.9	5.2
Hairpin Turn #2	6H2	9500	2/28	33	8.0	12.3	6.5	10.2
Hairpin Turn #3	6H2	9500	2/28	43	10.4	15.1	9.0	
LaBonte ÷	5G2	8450	2/27	14	2.3	4.8	4.2	5.5e
Libby Lodge	6H3	8700	2/28	33	7.8	10.4	6.8	9.2
Lost Lake[C] ÷	5J23	9300	2/23	35	9.1	N.R.	5.8	10.4
Pole Mountain #2 ÷	5H1	8700	2/27	12	2.0	4.8	2.8	4.4
Roach[C]÷	6J12A	9800	N.R.			N.R.	9.0A	15.7
Rock Creek ÷	6H14A	9800	3/4	68	18.5	N.R.	12.0A	
NORTH PLATTE - ABOVE SEMINOE RESERVOIR								
Albany ÷	6H11A	9400	N.R.			N.R.	13.0A	11.9e
Bottle Creek	6H8	8200	3/2	37	9.7	15.3	9.1	12.2
Boxelder #2 ÷	5G1	9000	3/5	27	5.2	7.2	4.3	
Cameron Pass[C] ÷	5J1	10300	Estimated		14.6e	N.R.	14.8A	18.0
Casper Mountain ÷	6G1MP	8700	3/4	60	9.2	14.8	10.0	10.2a
Columbine[C]	6J3	9300	2/26	59	17.3	26.4	12.2	19.6
Evans ÷	6H15	9000	2/25	27	6.5	14.9	6.1	
Foxpark ÷	6H12P	9200	3/4	25	6.6	10.7	3.9	5.2
LaBonte ÷	5G2	8450	2/27	14	2.3	4.8	4.2	5.5e
North Barrett Creek	6H5AM	9400	N.R.			N.R.	16.0A	14.6
North French Creek	6H4AP	10200	N.R.			N.R.	18.0A	23.0
Northgate[C]	6J7	8500	2/25	13	3.4	9.1	3.3	
Old Battle ÷	6H10P	9800	3/2	77	19.5	31.2	19.7	25.8
Park View[C]	6J2	9200	2/25	24	5.8	11.7	4.6	7.7
Roach[C]÷	6J12A	9800	N.R.			N.R.	9.0A	15.7
Rock Creek ÷	6H14A	9800	3/4	68	18.5	N.R.	12.0A	
Ryan Park	6H6A	8400	N.R.			N.R.	9.0A	8.7
Webber Springs	6H9M	9000	3/2	51	13.0	18.7	9.0	15.5
Willow Creek Pass[C]	6J5	9500	2/25	32	8.3	15.5	6.3	10.8

WYOMING SNOW SURVEYS - ABOUT MARCH 1, 1963

Drainage Basin and Snow Course	Number or State	Elev.	SNOW COVER MEASUREMENTS 1963 Date of Survey	Snow Depth (In.)	Water Content (In.)	PAST RECORD Water Content (In.) 1962	1961	1943-57 Avg.
NORTH PLATTE - CROW CREEK								
Pole Mountain #2 ÷	5H1	8700	2/27	12	2.0	14.8	2.8	4.4
NORTH PLATTE - SWEETWATER								
Grannier Meadows	8G4	9000	2/19	35	9.9	14.4	5.4	13.1
Larsen Creek	9G6A	9000	N.R.			13.9	6.2	10.3e
South Pass ÷	8G3MP	9000	2/19	36	11.4	14.1	5.7	13.2
NORTH LARAMIE MOUNTAINS								
Boxelder #2 ÷	5G1	9000	3/5	27	5.2	7.2	4.3	
Casper Mountain ÷	6G1MP	8700	3/4	60	9.2	14.8	10.0	10.2a
LaBonte ÷	5G2	8450	2/27	14	2.3	4.8	4.2	5.5e
GREEN RIVER ABOVE GREEN RIVER								
Big Sandy Opening	9G9P	9220	2/28	31	7.9	14.2	6.6	
Blind Bull Summit ÷	10G2A	8750	2/28	51	14.0A	29.5A	17.0A	28.4e
Dutch Joe R.S.	9G5	8700	2/28	20	5.4	12.6	5.4	7.3e
East Rim Divide ÷	10F17MP	7950	2/28	27	5.8	11.8	4.0	10.5
Elk Heart Park G.S.	9F23P	9400	3/1	38	10.0	16.9	7.3	
Gros Ventre ÷	10F19A	8750	2/28	32	8.0A	15.0A	8.0A	12.5e
Kendall R.S. #1	10F15	7900	3/2	27	6.5	12.7	4.7	10.5
Kendall R.S. #2	10F15	7900	3/2	36	9.0	17.1	6.4	
Loomis Park #1	10F16	8500	3/3	52	13.8	19.5	7.9	15.9
Loomis Park #2	10F16	8500	3/3	54	14.5	20.3	8.2	
Mulligan Park	9G1	8900	3/1	31	7.9	13.2	5.2	9.6
New Fork Lake	9F21	8325	3/2	36	9.0	13.6		
North Horse Creek	10G16	8200	3/1	59	15.2	24.5	14.4	
Piney LaBarge #1	10G10	8820	3/2	51	15.6	23.1	10.6	18.0e
Piney LaBarge #2	10G10	8820	3/2	66	19.7	27.6	13.0	
Pocket Creek	9G11	9360	3/1	25	6.8	16.2		
Poison Meadows ÷	10G6A	8500	2/28	69	21.0A	34.0A	17.0A	
Snyder Basin #2	10G13MP	8040	3/2	49	13.0	19.2	8.5	14.1e
Soda Lake	10G14	8300	2/28	45	11.8	19.0	9.9	18.3e
South Pass ÷	8G3MP	9000	2/19	36	11.4	14.1	5.7	13.2
Triple Peaks	10G15	8500	2/28	59	17.4	27.6	15.6	26.2e

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GREEN RIVER - BELOW GREEN RIVER								
Big Park ÷	10G11A	8700	3/3	50	14.1	23.5A	10.0A	17.2a
Buck Pasture[u]	10J23A	9700	2/28	36	7.5A	N.R.		
Elk River[c]	6J4	8700	2/26	33	8.5	22.0A	9.6A	15.1
Henry's Fork[u]	10J24A	10200	2/28	27	5.9A	N.R.		
Old Battle ÷	6H10P	9800	3/2	77	19.5	31.2	19.7	25.8
Steel Creek Park[u]	10J20A	9900	2/20	31	6.5	N.R.		
Kelly R.S.	10G12	8200	3/3	40	11.9	16.9		
JACKSON LAKE TO PALISADES								
Afton R.S.	10G4	6200	2/28	Trace		4.0	2.5	4.6
Base Camp ÷	10F2	6900	2/28	42	12.0	17.3	11.5	18.2e
Blackrock	10F7	8600	2/28	60	16.8	20.2	13.3	19.7
Blind Bull Summit ÷	10G2A	8750	2/28	51	14.0A	29.5A	17.0A	28.4e
Bryan Flat	10F14	6250	2/28	7	1.9	11.5	5.3	9.4
CCC Camp	10G7	7500	2/28	28	7.8	11.7	6.5	10.4
Cottonwood Lake	10G5A	7500	2/28	41	10.5A	19.5A	12.0A	14.7e
Deadman Ranch	10G1A	6534	2/28	13	3.5A	11.0A	7.0A	
East Rim Divide ÷	10F17MP	7950	2/28	27	5.8	11.8	4.0	10.5
Four Mile Meadows	10F6	7770	2/28	42	10.0	13.3	10.0	12.0e
Greys Boundary	10E18	5800	2/28	12	3.3	10.9	6.9	10.6
Gros Ventre ÷	10F19A	8750	2/28	32	8.0A	15.0A	8.0A	12.5e
Grover Park Divide	10G3	7500	2/28	30	7.4	12.9	7.5	10.0
Loomis Park #1 ÷	10F16	8500	3/3	52	13.8	19.5	7.9	15.9
Loomis Park #2 ÷	10F16	8500	3/3	54	14.5	20.3	8.2	
Poison Meadows ÷	10G6A	8500	2/28	69	21.0A	34.0A	17.0A	25.3e
Salt River Summit ÷	10G8P	7900	2/28	41	10.4	14.9	8.7	13.3e
Snow King Mtn. #3	10F20M	7600	2/28	33	9.1	17.8	9.3	
Teton Pass #2	10F13	8500	2/28	52	16.0	32.9	20.0	31.0
Togwotee Pass ÷	10F9MP	9600	3/1	77	22.0	28.3	19.0	26.0e
Turpin Meadows	10F5	6930	2/28	31	7.1	11.4	7.4	10.6e
Yellowjacket	10F10	7675	3/1	22	3.4	N.R.	3.8	5.4e
Black's Fk. Junction	10J22	8925	2/19	22	4.7	8.6	4.4	
East Fk. Black's Fk.	10J21	9300	2/19	22	5.3	9.7	3.6	
Hewinta G.S.	10J4	9500	2/19	24	5.7	8.3	4.1	8.5e

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Drainage Basin and Snow course	Number or State	Elev.	SNOW COVER MEASUREMENTS 1963 Date of Survey	Snow Depth (In.)	Water Content (In.)	PAST RECORD Water Content (In.) 1962	1961	Avg.
SNAKE RIVER - ABOVE JACKSON LAKE								
Arizona	10F1	6850	2/27	36	9.8	19.3	12.8	17.5e
Astor Creek	10E8	7700	2/27	61	17.7	32.0	19.7	30.0e
Base Camp ÷	10F2	6900	2/27	42	12.0	17.3	11.5	18.2e
Coulter Creek	10E10	7600	2/26	49	14.0	21.9	15.5	21.8e
Glade Creek	10E13	7200	2/27	44	11.8	23.4	13.9	21.1e
Grassy Lake	10E15MP	7265	2/28	63	19.0	34.4	23.3	30.6
Huckleberry Divide	10E14	7300	2/27	42	10.7	20.1	12.7	18.3e
Lewis Lake Divide	10E9	7900	2/27	75	23.6	42.4	27.6	39.4e
Moran	10F4MP	6500	2/27	29	8.6	12.4	7.9	12.0e
Moran Bay	10F3	6800	2/27	45	13.1	23.0	13.6	20.0e
Snake River Station	10E12MP	6780	2/27	49	13.2	20.2	15.1	19.5e
Thumb Divide ÷	10E7	7900	2/27	48	12.8	24.5	13.5	21.4e
BEAR RIVER								
Big Park ÷	10G11A	8700	3/3	50	14.1	23.5A	10.0A	17.2a
CCC Camp ÷	10G7	7500	2/28	28	7.8	11.7	6.5	10.4
Monte Cristo[u]	11H12	8960	2/28	37	14.8	26.6	12.6	22.7e
Poison Meadows ÷	10G6A	8500	2/28	69	21.0A	34.0A	17.0A	25.3e
Salt River Summit ÷	10G8MP	7900	2/28	41	10.4	14.9	8.7	13.3e
Trial Lake[u]	10J8P	9800	2/28	53	16.0	26.6	11.5	23.4e
Kelly R.S.	10G12	8200	3/3	40	11.9	16.9		
MISSOURI - CHEYENNE RIVER								
Upper Spearfish[s]	3E1	6500	3/1	39	8.2	5.0	N.R.	

a. Average of all past data.
e. 1943-57 partially estimated.
c. Colorado snow courses.
m. Montana snow courses.
s. South Dakota snow courses.
u. Utah snow courses.
÷ Located close to divide.
A. Aerial stadia marker, water content estimated.
M. Soil moisture stack.
P. Pearson storage gage.

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